

## NOTES FOR THE CURIOUS.

Startling Illustration from the German of How the Mind Survives Decapitation.

A Scientific Explanation of the Reason Flies Can Walk on a Ceiling.

Various Legends Concerning the Man in the Moon—The Antiquity of the Reaper—The First Patent.

The following story is from a German history of the past century and proves conclusively that the mind survives decapitation:

Herman Krause, employed as chief executioner in 1702, was the most skillful knight of the sword that has ever been in governmental employ. Upon one occasion he was detailed to execute a man of one of the north provinces who had been convicted of a most heinous crime. This particular criminal had a singular itching to play at nine-pins, and he implored permission to play once more at his favorite game before he died. Then, he said, he would submit to his fate without a murmur. The judge thinking there could be no harm in granting this modest last request, granted it.

When the prisoner arrived at the place of execution he found everything prepared for the game; the pins up and the bowls ready. He commenced his favorite sport with great enthusiasm, and played with a will for over an hour, never seeming to think of the awful fate awaiting him. The second hour had well advanced and the hour of execution had passed twenty minutes, still the doomed man showed no inclination to desist.

One of the guards and the executioner held a hurried consultation. It was decided to strike the fatal blow while the culprit was deeply absorbed in the game. Unobserved by the prisoner the executioner stood with drawn sword ready for the crowning tableau. At last the victim was within easy reach as he stooped for the bowl. Swift as a stroke of lightning the steel descended upon the neck of the unsuspecting wretch.

His fingers never touched the bowl, but as he straightened with a spasmodic shrug his own head fell into his outstretched hands. He naturally supposed it was the bowl for which he had stooped, and, seizing it firmly, he rolled it in the direction of the pins. All of them fell, and the head was heard to exclaim as it rebounded from the farther wall: "Hurrah! I've won the game." It was truly a ghastly sight and one never forgotten by the spectators.

## How Flies Walk on the Ceiling.

It is curious how the understanding of many common and apparently simple things becomes modified by fuller investigation. The old air-pump theory of how flies walk on the ceiling, which you will remember was given in one of our old school books, is now regarded as fallacious. According to the old theory the bottom of the fly's foot adhered by suction, thus pressing out all the air beneath it, the pressure of the fly's body holding him in place. But flies have been known to walk on the inside surface of the glass receiver of an air pump after all the air had been exhausted, which shows they do not need the pressure of air to hold them in place.

Moreover, a microscopic examination of a fly's foot clearly disproves the "sucker" theory, for the foot cushion is covered with hairs that prevent all close contact with glass or smooth walls.

A later theory, propounded by Hooke, was that flies stick to polished surfaces by means of a viscous substance exuded from the hairs on their feet.

The Hooke theory was thoroughly investigated about ten years ago by Dr. Rombouts, who demonstrated that it was only partly sound, for although those hairs do exude an oily liquid, the liquid is not sticky, and does not harden when dried. It is to Dr. Rombouts' experiments that science owes what is now regarded as the true theory of flies walking on smooth perpendicular walls, and substances of like character. Dr. Rombouts says that they adhere by the help of capillary adhesion—the molecular attraction between solid and liquid bodies. By a series of nice calculations, such as weighing hairs and measuring their diameters, and sticking the ends of the hairs in oil or water, to make it adhere when touched to glass, this fine calculation proved that capillary attraction would uphold a fly were it four-ninths as heavy as it is at present. It is true that the foot hairs are very minute, but as each fly is furnished with from 10,000 to 12,000 of these we need not be surprised at what they do.

## The Man in the Moon

Almost every country on the globe has its legends and superstitions concerning the phenomena known throughout the civilized world as "the man in the moon," and many are the stories told to account for the singular appearance which all have noticed in the face of the luna on beautiful, clear nights. In some countries the picture is supposed to be that of two male lions engaged in deadly combat. In most oriental countries it is supposed to be the picture of a single lion; throughout Europe, Australia and America the figures are thought to be fair representations of a man and a blazing brush. Bishop Wilkins, in his book called "The Moon a Habitable World," says: "As for the form of the spots on the moon, some think they represent a man, and poets guess 'tis the boy Endymion, whose company Luna loved so well she takes him with her. Others will only have it to be the face of a man, as the moon is pictured; but Albertus thinks rather that it represents a lion with his face toward the west and his tail toward the east; others, again, think it much resembles a fox; certainly, it is as much like a lion as that in the Zodiac, or as Ursa Major is like a bear." When or how these absurd notions originated no one seems to know; however, it seems that the people of every country think their own theories the best. The Jews, for an instance, on account of some Talmudic story, believe the lines and spots to be a picture of the old patriarch Jacob.

The old-folk lore stories tell us that the figure represented is that of the man the children of Israel found gathering sticks on the Sabbath day, for which crime he was doomed to burn in the sight of the world for all time to come. See Numbers, xv., 32.

## Antiquity of the Reaper.

The invention of the reaper, or, more properly speaking, of a reaping machine, is of unknown antiquity. The elder Pliny, who was born when Christ was but 19 years of age, and who in his maturer years became a historian as well as a naturalist, describes a reaper used in his day by the Lowland Gauls. This clumsy device, which would hardly compare with a McCormick of the year A. D. 1835, consisted of a wagon or cart provided with shafts, into which one or two oxen with their heads facing the

dashboard; that is, providing, of course, they used dashboards in those days. To the hind part of the cart, or to what would be the fore part, this curious machine being run tail first, was attached a bar provided with sharp spikes set at an angle which admitted of their coming together at the base a short distance, say an inch, from where they were driven into the bar before mentioned. Each of these early reapers was provided with two men, one to drive and the other to rake in the heads of the wheat as they were cut or pulled off by the sharp-toothed combing machine. A machine, similar in all its details to the one just described, was used in England up to about the time of George III.

In 1790 an Englishman by the name of Boyce was awarded the first patent on a reaping device.

The first American patent was taken out in 1803, by the firm of French & Hawkins. Then came the Ten Eyck and Cope and Hooper patents, which were issued in 1825.

In 1828 a preacher by the name of Bell invented a rude reaper in Scotland, which went the way of all the world without practical results.

The first machines to command public attention were those made on the plans furnished by the Manning patent, which was issued in 1831. Obed Hussey and C. H. McCormick invented the first machines, in 1833 and 1834, respectively, which proved to the world that the harvesting problem is forever solved.

## Will Hold Their Seats.

St. Louis, Oct. 16.—Latest advices from the Chickasaw Indian nation are that the legislature of that nation convened at Tishomingo yesterday. The progressive party, composed of the white members elect, will probably ignore the decision of the Chickasaw supreme court disfranchising the whites who have married squaws, and attempt to hold their seats. The members from Panola county informed a correspondent that they would hold their seats even at the pistol's mouth. The secretary of the interior has confirmed the decision of the Chickasaw supreme court, which eliminates the whites as a political factor. Exciting times are looked for at the capital in case the white members refuse to abdicate their seats, which they will be obliged to do in the face of the decision of the supreme court, backed up by the national government.

## The Well Caved In.

TAHLEQUAH, Oct. 16.—While five men were digging a large well at the Victor coal mines the walls caved in, killing two white men and one negro, names unknown. Workmen set to work to recover the bodies, but it will be impossible to reach them before to-morrow noon.

It is astonishing how rapidly the feeble and debilitated gain strength and vigor when taking Ayer's Sarsaparilla. For what are called "broken-down constitutions," nothing else has proved so effective as this powerful and perfectly safe medicine.

## Cough! and Cough!! and Cough!!!

What in the world is the reason you will cough and keep coughing and still keep trying inferior medicines when Beggs' Cherry Cough Syrup will positively relieve your cough at once? This is no advertising scheme, but an actual fact and we guarantee it. For sale by all druggists. R. S. Hale & Co., wholesale and retail agents.

## Home Testimony.

HELENA, Oct. 7, 1887.  
I was suffering from an unusually bad cough, my lungs were sore and congested, and I consulted one of the best physicians in Helena, whose prescriptions failed to relieve me. I became alarmed, and at the suggestion of a friend purchased a bottle of Ayer's English Remedy for coughs, and after taking it according to directions was completely cured. I therefore heartily recommend it.

## JACOB SWITZER.

I had a racking cough and inflamed throat and bought a bottle of Ayer's English Remedy upon the recommendation of a friend, and was entirely cured by it. I consider it a never failing remedy for a cough.

Ayer's English preparations are for sale in Helena only by R. S. Hale & Co.

When Baby was sick, we gave her Castoria.  
When she was a Child, she cried for Castoria.  
When she became a Woman, she clung to Castoria.  
When she had Children, she gave them Castoria.

## Bucklen's Arnica Salve.

The best salve in the world for cuts, bruises, sores, ulcers, salt rheum, fever sores, tetter, chapped hands, chilblains, corns, and all skin eruptions, and positively cures piles, or no pay required. It is guaranteed to give perfect satisfaction, or money refunded. Price 25 cents per box. For sale by R. S. Hale & Co.

## Dyspepsia

Is one of the most prevalent of diseases. Few persons have perfect digestion. One of Ayer's Pills, taken after dinner, or a dose at night before retiring, never fails to give relief in the worst cases, and wonderfully assists the process of nutrition. As a family medicine, Ayer's Pills are unequalled.

James Quinn, 90 Middle st., Hartford Conn., testifies: "I have used Ayer's Pills for the past thirty years and consider them an invaluable family medicine. I know of no better remedy for liver troubles, and have always found them a prompt cure for dyspepsia."

Lucius Alexander, of Marblehead, Mass., was long a severe sufferer from Dyspepsia, complicated with enlargement of the Liver, most of the time being unable to retain any food in his stomach. Three boxes of Ayer's Pills cured him.

Frederic C. Greener, of East Dedham, Mass., for several months troubled with indigestion, was cured before he used half a box of these Pills.

## Ayer's Pills,

PREPARED BY

Dr. J. C. Ayer & Co., Lowell, Mass.  
Sold by all Druggists and Dealers in Medicine.

## JAMES TWIFORD,

MANUFACTURER OF

Wagon Sheets, Tents,  
Awnings and Hydraulic Hose.

Twenty different styles of Window Awnings and the latest improved fixtures for hanging. Canvas of all kinds and widths from 30 inches wide to 120 inches wide always in stock. The latest improved Camp Goods.

MAIN STREET, HELENA.

THE NEW YORK DRY GOODS STORE  
FOR OCTOBER:

A GLORIOUS DISPLAY!  
PRE-EMINENT IN QUALITY!  
MARVELOUS PATTERNS.

See Our Novelties in  
Fall and Winter  
WRAPS! WRAPS! WRAPS!  
Fall and Winter

Grand Exhibition of  
Combination Suits and New Dress Goods  
In Modern Styles and Modern Shades!

ALL GOODS ARE SOLD AT NEW YORK PRICES!  
Out of Town orders Promptly Filled. Satisfaction Guaranteed.

NEW YORK DRY GOODS STORE,  
Corner Bridge and Main Streets,  
Helena, Montana.

## LAND NOTICES.

NOTICE OF PUBLICATION.  
LAND OFFICE AT HELENA, MONT.  
NOTICE IS HEREBY GIVEN THAT THE FOLLOWING named settler has filed notice of his intention to make final proof in support of his claim, and that said proof will be made before register and receiver of Helena, Mont., on November 2, 1889, viz: Cyrus Clapp, who made D. S. No. 3694, C. E. 205 for the sw<sup>1</sup>4, nw<sup>1</sup>4, and nw<sup>1</sup>4, sw<sup>1</sup>4, sec. 13 and n<sup>1</sup>2 sw<sup>1</sup>4, sec. 14, tp. 17, n. r. 1 w.

He names the following witnesses to prove his continuous residence upon and cultivation of said land, viz: Edwin E. James, of Chestnut, Mont.; Charles M. Spaulding, of St. Clair, Mont.; Thomas L. Gorman, of St. Clair, Mont.; John A. Harris, of Chestnut, Mont.

S. W. LANGHORN, Register.  
First publication Oct. 1, 1889.

## NOTICE.

UNITED STATES LAND OFFICE,  
HELENA, MONT., Sept. 18, 1889.  
(COMPLAINT HAVING BEEN ENTERED AT this office by Robert A. Day against Viola V. Hoyt and heirs for abandoning her homestead entry No. 3865, dated May 24, 1888, upon the sw<sup>1</sup>4 section 26, township 10, north range 4 west, in Lewis and Clarke county, Montana, with a view to the cancellation of said entry, the parties are hereby summoned to appear at this office on the 30th day of October, 1889, at 10 o'clock a. m. to defend and furnish testimony concerning said alleged abandonment.)

S. W. LANGHORN, Register.  
A. H. NELSON, Attorney for contestant.  
First publication Sept. 26.

J. L. SMITH,  
Freight Transfer Line,  
HELENA, MONTANA.

All kinds of merchandise and other freights, including ones, promptly transferred from the depot.

Office at J. Feldberg's Store and at the depot. Orders will receive prompt attention.

OGDEN  
Military Academy.

A high grade school, preparing boys for college, scientific school and for business. First-class education; thorough course of study. Address C. L. HOWARD, Superintendent, Ogden City, Utah.

A. H. NELSON,  
Land and Mining Atty.

Seven Years Experience in the General Land Office at Washington, D. C.  
ROOM 8, ATLAS BUILDING.

Main Street, Helena, Montana.

A. K. PRESCOTT  
DEALER IN  
MARBLE  
AND  
Granite.  
ALSO  
IRON FENCING  
HELENA, MONT.

DANIEL HANLEY & CO.,  
Exclusive Jobbers in

Oranges, Lemons and Apples,  
FOREIGN AND DOMESTIC  
Dried Fruits and Nuts, Cigars and Tobaccos.

SPECIALTIES—Crescent Creamery Butter,  
Eggs, Cheese, Vegetables and Montana  
Packing House Products.

PAUL S. A. BICKEL,  
UNITED STATES  
DEPUTY  
Mineral  
Surveyor,  
1191-2 N. MAIN.

## THE HAZELWOOD LAND CO.

The terrible loss experienced by Seattle in the late fire was such as to render thousands homeless and dependent upon the charity of the world. The immediate wants were tended to, and the world at large nobly responded to the call for aid. But at the present time the prospects for a long winter are hard in the face of many hundreds; sickness from exposure is certain to occur, and the following plan has been devised to assist in caring for the unfortunate who may need medical assistance, by giving to the different hospitals a handsome sum of money.

THE HAZELWOOD LAND COMPANY has generously determined to donate the proceeds of two houses and two hundred lots to the hospitals of the city, and has purchased this property with a view to disposing of it at a small advance over cost and devoting the net proceeds to the charities above mentioned; and proposes to issue tickets to be sold for \$2.50 each for the purpose of raising money to help carry on the work. They have placed the tickets on sale throughout the country, and upon December 31, 1890, a committee consisting of twelve prominent citizens will take all the numbers of tickets sold and place them in a box; they will then be thoroughly mixed and a boy blindfolded will place his hand in the box and draw out one number, and whoever holds the corresponding number will be awarded one house and the pair of lots upon which it is built. Then the fifth number drawn shall be awarded a lot, then the tenth number a lot, and so on, every thirty-fifth number drawn shall be awarded a lot until the two hundred and sixth number shall be drawn, which shall entitle the holder to the corresponding number which shall be drawn, to the remaining house and pair of lots.

All the above property is guaranteed to be free of any and all liens, mortgages or anything that will impair a title. A warranty deed assuring a perfect title will be made to every lucky ticket holder who wins a prize. The tickets are only placed at \$2.50, and besides a standing show to get a beautiful home worth \$5,000 or a lot worth \$250. You are aiding one of the grandest charities which has ever asked of you aid. Purchase your tickets of any agent or traveling canvasser who has proper credentials. Deeds are deposited with the Puget Sound National Bank.

THE HAZELWOOD LAND CO.,  
Seattle, Washington.

## R. W. NEILL,

Manufacturer and Dealer in

Stock Saddles, Side Saddles, Light and Heavy Harness,

Bits, Spurs, Quirts, Whips, Lashes, Blankets, Sheets, Dusters, Slickers, Nose-Bags, Sweet Collars, Horse Boots, and all other goods usually kept in a first-class harness store. Hand made driving harness a specialty.

Opposite Grand Central Hotel, Main Street, HELENA, MONT.

ESTABLISHED IN 1865. REBUILT IN 1887.

## INTERNATIONAL HOTEL.

The Largest Leading Hotel. Has the very best accommodations in the city. Rates reduced; \$2 per day and upwards, according to location of rooms.

M. LISSNER, Proprietor.

The Pioneer of the Great West!

## COSMOPOLITAN HOTEL.

HELENA, MONTANA.

SCHWAB & ZIMMERMAN, Proprietors.  
The Oldest, Most Desirable Leading First-Class Hotel in the City.